

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A turbine fuel pump comprising:
 - a cylindrical casing;
 - an electric motor accommodated in the casing;
 - a pump housing mounted into the casing, the pump housing including a suction port, a discharge port and a fuel path connected to the suction and discharge ports; and
 - an impeller disposed within the pump housing and driven around an axis in a rotational direction by the electric motor, the impeller including a generally annular body and a plurality of vanes projecting radially outwardly from the body and disposed within the fuel path,
 - each of the vanes being formed into a generally rectangular plate including a tip end face that extends circumferentially to define an outer peripheral surface of the impeller, a front face located on a forward side in the rotational direction of the impeller and having a root portion located on a side of the body of the impeller and a tip end portion located on a side of an outer periphery of the impeller, the front face being curved such that the tip end portion is positioned forwardly in the rotational direction of the impeller relative to the root portion, a rear face located on a rearward side in the rotational direction of the impeller, and a chamfer portion disposed between the tip end face and the tip end portion of the front face.
2. (currently amended) The turbine fuel pump according to claim 1, wherein the chamfer portion is formed ~~by cutting a~~ as a cut corner between the tip end face and the tip end portion of the front face.
3. (original): The turbine fuel pump according to claim 1, wherein the chamfer portion has a uniform length between the tip end face and the tip end portion of the front face as measured in section perpendicular to the axis.

Amendment under 37 C.F.R. § 1.111
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4. (original): The turbine fuel pump according to claim 3, wherein the uniform length of the chamfer portion is in a range of 0.05 mm to 0.15 mm.

5. (currently amended): ~~The turbine fuel pump according to claim 1~~ A turbine fuel pump comprising:

a cylindrical casing;

an electric motor accommodated in the casing;

a pump housing mounted into the casing, the pump housing including a suction port, a discharge port and a fuel path connected to the suction and discharge ports; and

an impeller disposed within the pump housing and driven around an axis in a rotational direction by the electric motor, the impeller including a generally annular body and a plurality of vanes projecting radially outwardly from the body and disposed within the fuel path, each of the vanes being formed into a generally rectangular plate including a tip end face that extends circumferentially to define an outer peripheral surface of the impeller, a front face located on a forward side in the rotational direction of the impeller and having a root portion located on a side of the body of the impeller and a tip end portion located on a side of an outer periphery of the impeller, the front face being curved such that the tip end portion is positioned forwardly in the rotational direction of the impeller relative to the root portion, a rear face located on a rearward side in the rotational direction of the impeller, and a chamfer portion disposed between the tip end face and the tip end portion of the front face,

wherein the chamfer portion is aligned with a plane containing the axis.

6. (original): The turbine fuel pump according to claim 1, wherein the chamfer portion is inclined relative to a plane containing the axis.